

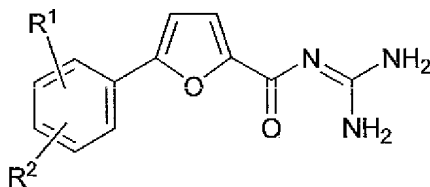
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~[Claim-1]~~ A furancarbonylguanidine derivative ~~represented by the following of~~ Formula 1 ~~and or~~ pharmaceutically acceptable salts thereof ~~[[.]]~~

[Formula 1]



(\oplus)

wherein ~~(Wherein,~~

R¹ and R² are each independently H, F, Cl, Br, I, CF₃, SO₂CH₃, NO₂, NH₂, C₁~C₅ straight or branched alkyl, or OR^a; and ~~[[. And,]]~~

R^a is H, CF₃, C₁~C₅ straight or branched alkyl, or phenyl. ~~[[D]]~~

2. (Currently Amended) ~~[Claim-2]~~ The furancarbonylguanidine derivative ~~and or~~ pharmaceutically acceptable salts thereof as set forth in claim 1, wherein the compound of Formula 1 comprises:

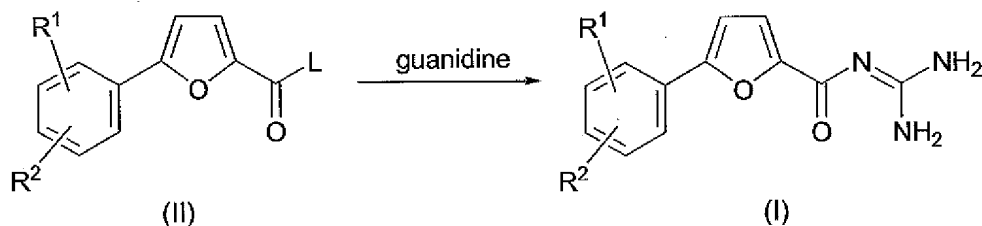
- 1) [5- (2-fluorophenyl) furan-2-ylcarbonyl] guanidine,
- 2) [5- (3-fluorophenyl) furan-2-ylcarbonyl] guanidine,
- 3) [5- (4-fluorophenyl) furan-2-ylcarbonyl] guanidine,
- 4) [5-phenylfuran-2-ylcarbonyl] guanidine,
- 5) [5-(2-chlorophenyl) furan-2-ylcarbonyl] guanidine,
- 6) [5- (3-chlorophenyl) furan-2-ylcarbonyl] guanidine,
- 7) [5- (4-chlorophenyl) furan-2-ylcarbonyl] guanidine,
- 8) [5- (2-methylphenyl) furan-2-ylcarbonyl] guanidine,
- 9) [5- (3-methylphenyl) furan-2-ylcarbonyl] guanidine,
- 10) [5- (4-methylphenyl) furan-2-ylcarbonyl] guanidine,

- 11) [5- [2- (trifluoromethyl) phenyl] furan-2-ylcarbonyl] guanidine,
- 12) [5- [3- (trifluoromethyl) phenyl] furan-2-ylcarbonyl] guanidine,
- 13) [5- [4- (trifluoromethyl) phenyl] furan-2-ylcarbonyl] guanidine,
- 14) [5- (2-methoxyphenyl) furan-2-ylcarbonyl] guanidine,
- 15) [5- (3-methoxyphenyl) furan-2-ylcarbonyl] guanidine,
- 16) [5- (4-methoxyphenyl) furan-2-ylcarbonyl] guanidine,
- 17) [5- (2-nitrophenyl) furan-2-ylcarbonyl] guanidine,
- 18) [5- (3-nitrophenyl) furan-2-ylcarbonyl] guanidine,
- 19) [5- (4-nitrophenyl) furan-2-ylcarbonyl] guanidine,
- 20) [5- (2-aminophenyl) furan-2-ylcarbonyl] guanidine,
- 21) [5- (3-aminophenyl) furan-2-ylcarbonyl] guanidine,
- 22) [5- (4-aminophenyl) furan-2-ylcarbonyl] guanidine,
- 23) [5- (2-ethylphenyl) furan-2-ylcarbonyl] guanidine,
- 24) [5- (2-ethoxyphenyl) furan-2-ylcarbonyl] guanidine,
- 25) [5- (2-isopropoxyphenyl) furan-2-ylcarbonyl] guanidine,
- 26) [5- (2-phenoxyphenyl) furan-2-ylcarbonyl] guanidine,
- 27) [5- (2, 6-difluorophenyl) furan-2-ylcarbonyl] guanidine,
- 28) [5- (3, 5-difluorophenyl) furan-2-ylcarbonyl] guanidine,
- 29) [5- (2, 4-difluorophenyl) furan-2-ylcarbonyl] guanidine,
- 30) [5- (2, 5-difluorophenyl) furan-2-ylcarbonyl] guanidine,
- 31) [5- (2, 3-difluorophenyl) furan-2-ylcarbonyl] guanidine,
- 32) [5- (2-chloro-6-fluorophenyl) furan-2-ylcarbonyl] guanidine,
- 33) [5- (2-fluoro-5-methylphenyl) furan-2-ylcarbonyl] guanidine,
- 34) [5- (2-methyl-5-fluorophenyl) furan-2-ylcarbonyl] guanidine,
- 35) [5- (2-methoxy-5-fluorophenyl) furan-2-ylcarbonyl] guanidine,
- 36) [5- (3, 5-dichlorophenyl) furan-2-ylcarbonyl] guanidine,
- 37) [5- (2, 3-dichlorophenyl) furan-2-ylcarbonyl] guanidine,
- 38) [5- (2, 5-dichlorophenyl) furan-2-ylcarbonyl] guanidine,
- 39) [5- (2-methoxy-5-chlorophenyl) furan-2-ylcarbonyl] guanidine,
- 40) [5- (2-chloro-5-trifluoromethylphenyl) furan-2-ylcarbonyl] guanidine,
- 41) [5- (2, 6-dimethylphenyl) furan-2-ylcarbonyl] guanidine,

- 42) [5- (3, 5-dimethylphenyl) furan-2-ylcarbonyl] guanidine,
 43) [5- (2, 5-dimethylphenyl) furan-2-ylcarbonyl] guanidine,
 44) [5- (2, 3-dimethylphenyl) furan-2-ylcarbonyl] guanidine,
 45) [5- (2, 6-dimethoxyphenyl) furan-2-ylcarbonyl] guanidine,
 46) [5- (2, 3-dimethoxyphenyl) furan-2-ylcarbonyl] guanidine,
 47) [5- (2, 5-dimethoxyphenyl) furan-2-ylcarbonyl] guanidine,
 48) [5- (2-methoxy-5-bromophenyl) furan-2-ylcarbonyl] guanidine,
 49) [5- (2-hydroxy-5-chlorophenyl) furan-2-ylcarbonyl] guanidine,
 50) [5- (2-ethoxy-5-chlorophenyl) furan-2-ylcarbonyl] guanidine, and
 51) [5- (2-isopropoxy-5-chlorophenyl) furan-2-ylcarbonyl] guanidine.

3. (Currently Amended) [~~Claim-3~~] A preparation method for preparing a
 furancarboxylguanidine compound of Formula 1, as shown in ~~the below~~ Scheme 1, comprising:
reacting in which a carboxylic acid derivative of compound of Formula II is reacted with
 guanidine in the presence of base or with an excess amount of guanidine [.]]

[Scheme 1]



wherein (~~Wherein;~~

~~R¹ and R² are as defined in Formula 1, and~~ each independently H, F, Cl, Br, I, CF₃,

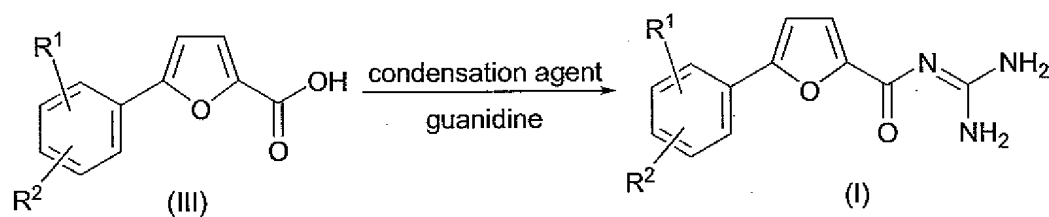
SO₂CH₃, NO₂, NH₂, C₁~C₅ straight or branched alkyl, or OR^a;

R^a is H, CF₃, C₁~C₅ straight or branched alkyl, or phenyl; and

L is a leaving group that is easily left by guanidine. [.]]]

4. (Currently Amended) [~~Claim 4~~] A preparation method for preparing a furancarboxylguanidine compound of Formula 1, as shown in the below Scheme 2, comprising: reacting in which a carboxylic acid of compound of Formula III is reacted with guanidine in the presence of a ~~condensating~~ condensation agent [I.]

[Scheme 2]



whercin (~~Wherein~~,

R^1 and R^2 are as defined in Formula 1.) each independently H, F, Cl, Br, I, CF_3 , SO_2CH_3 , NO_2 , NH_2 , $C_1\sim C_5$ straight or branched alkyl, or OR^a ; and

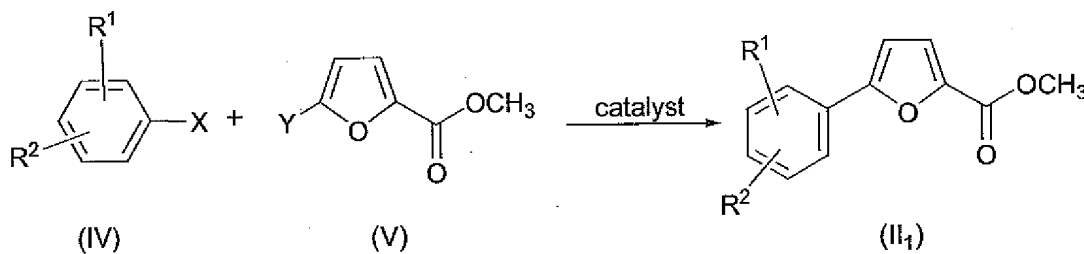
R^a is H, CF_3 , $C_1\sim C_5$ straight or branched alkyl, or phenyl.

5. (Currently Amended) [~~Claim 5~~] The preparation method as set forth in claim 4, wherein the ~~condensating~~ condensation agent is selected from a the group consisting of N, N-carboxyldiimidazole, dicyclohexylcarbodiimide (DCC), diisopropylcarbodiimide (DIPC), 1-ethyl-3- (3-dimethylaminopropyl) carbodiimide (WSC) and diphenylphosphonylazide (DPPA).

6. (Currently Amended) [~~Claim 6~~] A preparation method for preparing a furan compound having a benzene ring at the 5th site, as shown in the below Scheme 3a, comprising:

reacting in which a phenylboronic acid or stanylphenyl derivative compound of Formula IV and with a 5-halofuran compound of Formula V are reacted in the presence of a palladium catalyst, which is a Stille-type coupling or Suzuki-type coupling, to give form a compound of Formula II₁ [[.]]

[Scheme 3a]



wherein (Wherein;

R¹ and R² are as defined in Formula 1, in which each independently H, F, Cl, Br, I, CF₃, SO₂CH₃, NO₂, NH₂, C₁~C₅ straight or branched alkyl, or OR^a;

R^a is H, CF₃, C₁~C₅ straight or branched alkyl, or phenyl;

X is B(OH)₂, BCl₂, BBr₂, SnBu₃, SnMe₃, or ZnCl, and

Y is a halogen (Br, I, Cl) or OSO₂CF₃ wherein the halogen is Br, I or Cl. [[D]]]

7. (Currently Amended) [~~Claim 7~~] A pharmaceutical composition containing furancarbonylguanidine derivative and or pharmaceutically acceptable salts thereof of claim 1 as an elective ingredient for the prevention and the treatment of ischemic heart disease.

8-10. (Cancelled)